

Randall P. Julander

Education

1976 – 1979 Utah State University - Logan, Utah
BS Watershed Management
1983 – 1984 Utah State University - Logan, Utah
MS Forest Watershed Management

Professional experience

1979 – 1980 - Hydrologic Technician, Bureau of Land Management,
Glenwood Springs Colorado
1980 – 1981 - Hydrologic Technician, US Forest Service, Boise Idaho
1981 – 1982 - Hydrologist, Bureau Of Land Management, Denver
Colorado
1982 – 1983 - Hydrologist, Agricultural Research Service, Sydney
Montana
1984 – 1991 - Hydrologist, Colorado Basin River Forecast Center
1991 – Current - Hydrologist, Snow Survey Supervisor, Natural
Resources Conservation Service, USDA
1999 – Current Adjunct Professor, University of Utah, Teaching Snow
Hydrology

- As Snow Survey Supervisor, I am responsible for the collection, processing and archival of snow and hydrometeorological data from Utah, Nevada and parts of California. These data are used in water management functions by local, state and federal governments as well as private organizations and individuals. We produce water supply forecasts, in order to more effectively manage water resources for agriculture, hydroelectric, reservoir operations, municipal supplies, droughts, floods and all manner of water related problems. We provide accurate and timely information on snowmelt and runoff. We also provide consultation and training on data monitoring systems, data collection, processing, archival, application and use. Expert in the use of historical data relative to climate applications. In previous experience: expert in hydrologic modeling: SRM, DamBreak, Snow17, Sacramento and others.

Publications

Frequency and Temperature Analysis of the 1983 Wasatch Front
Floods.

Improvements in Developing Water Supply Forecasts

Drop Former vs Ponding Ring Infiltrimeters, a Comparison.

Water, Salt and Sediment yields from 3 Mancos Shale soils in Eastern Utah

Flooding and the SNOTEL System

The Franklin Basin Problem and Solution

Soil Moisture and Water Supply

Soil Moisture and Water Supply, the Sequel

A Historical Comparison of Snowpack Averages in Utah

Soil Moisture and Water Supply Forecasting

An analysis of the timing of snow course measurement and the potential error compared to April 1 measurements in Utah

The impacts of soil type and sensor location on soil moisture data

An examination of external influences embedded in the historical snowpack data of Utah

Floods, droughts and extremes in Utah Snowpack

The SNOTEL temperature dataset

Soil surface temperature difference between steel and hypalon pillows

**Professional
memberships**

Western Snow Conference

Languages

English and German